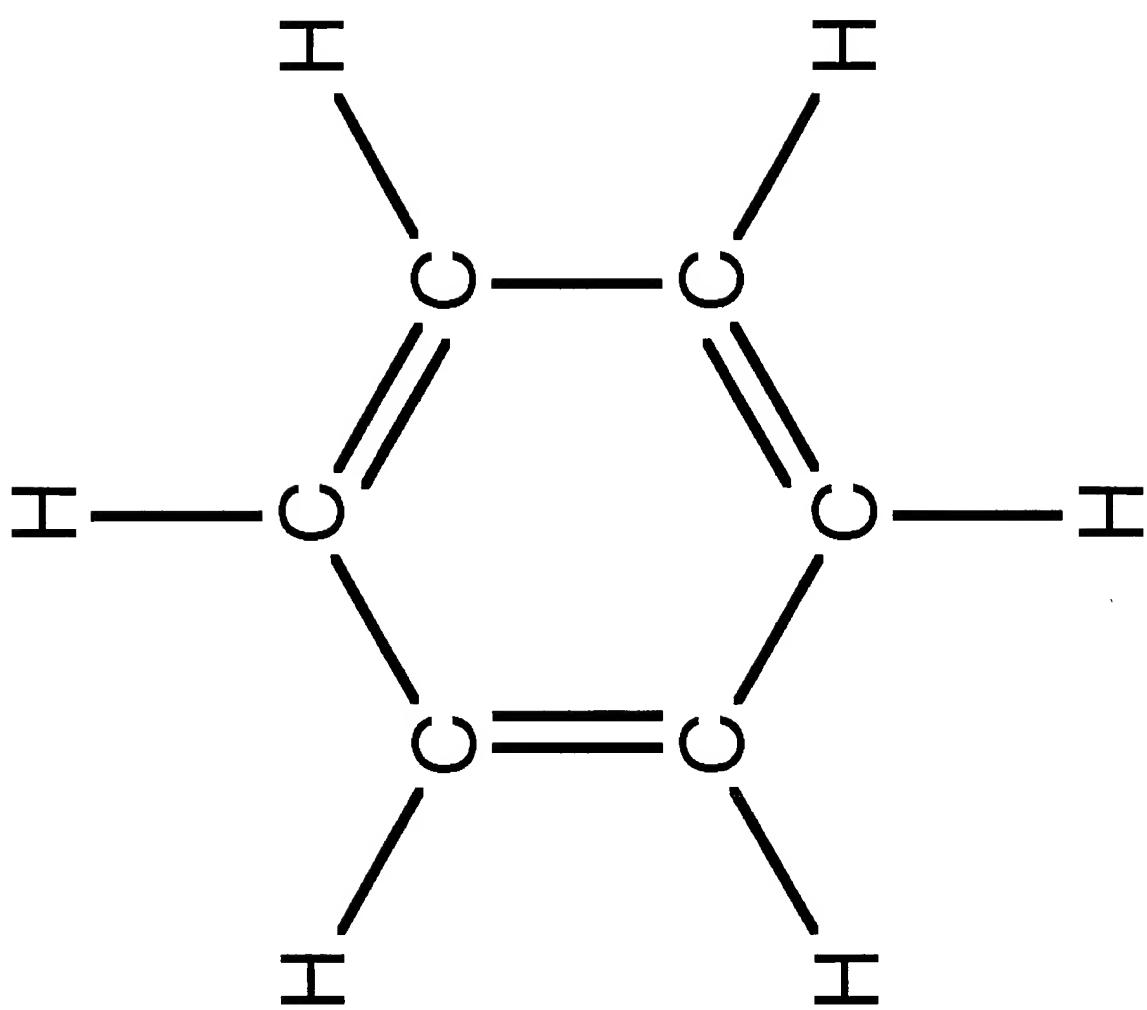


Fig. 1 (prior ART)



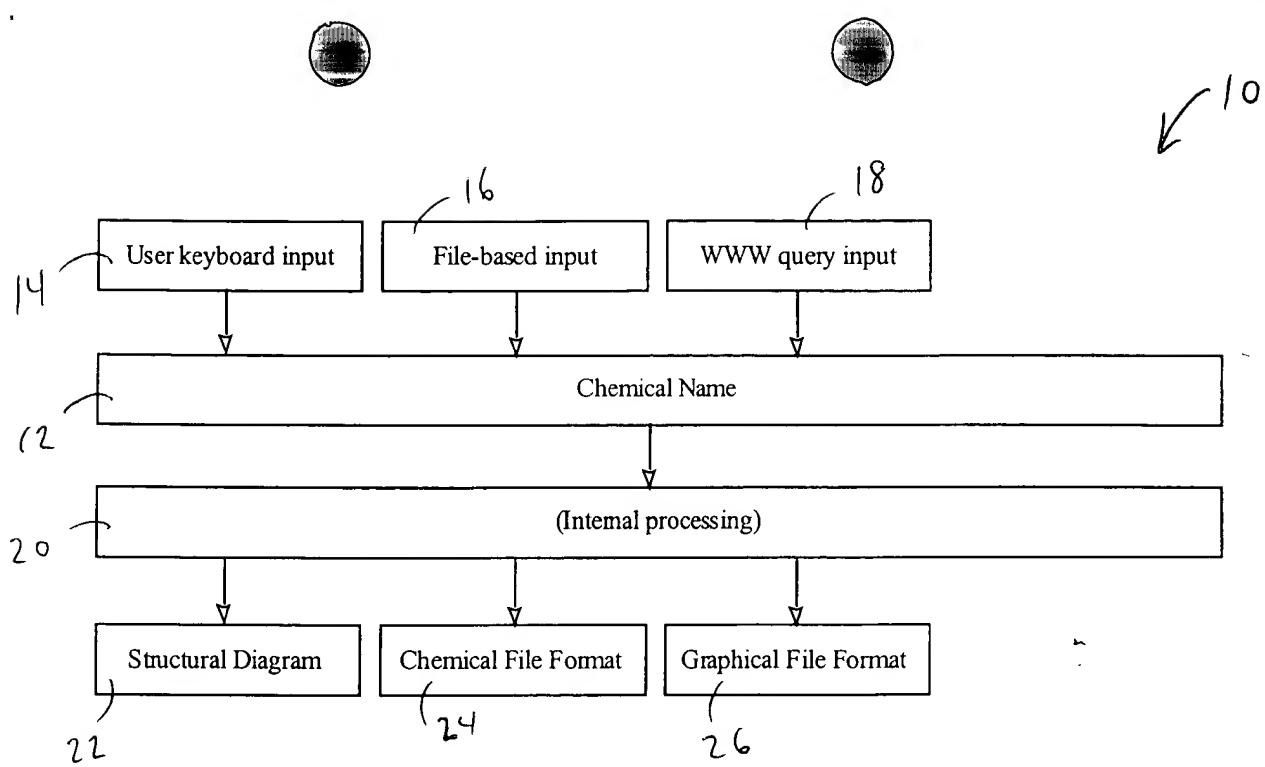


Fig. 2

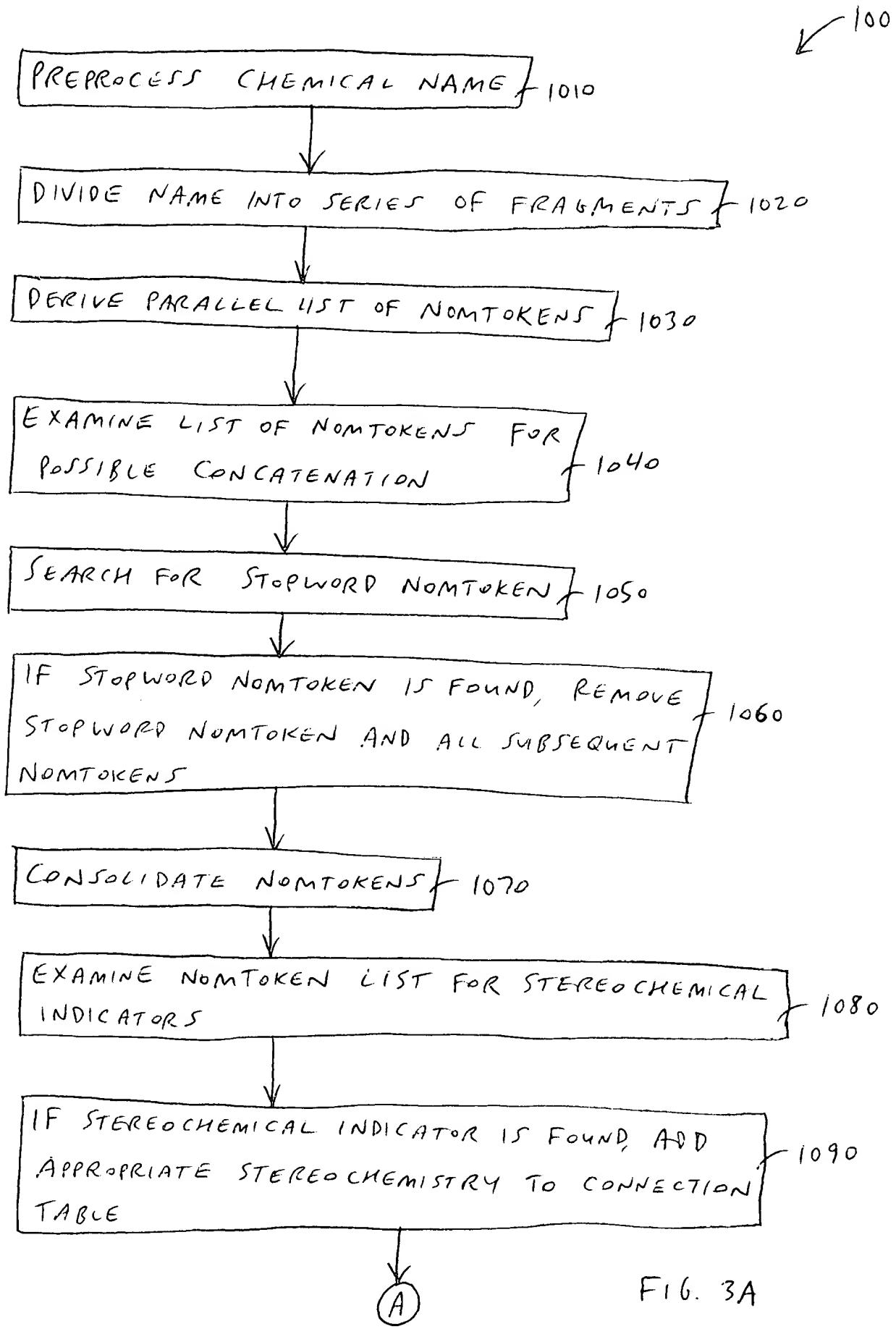


FIG. 3A

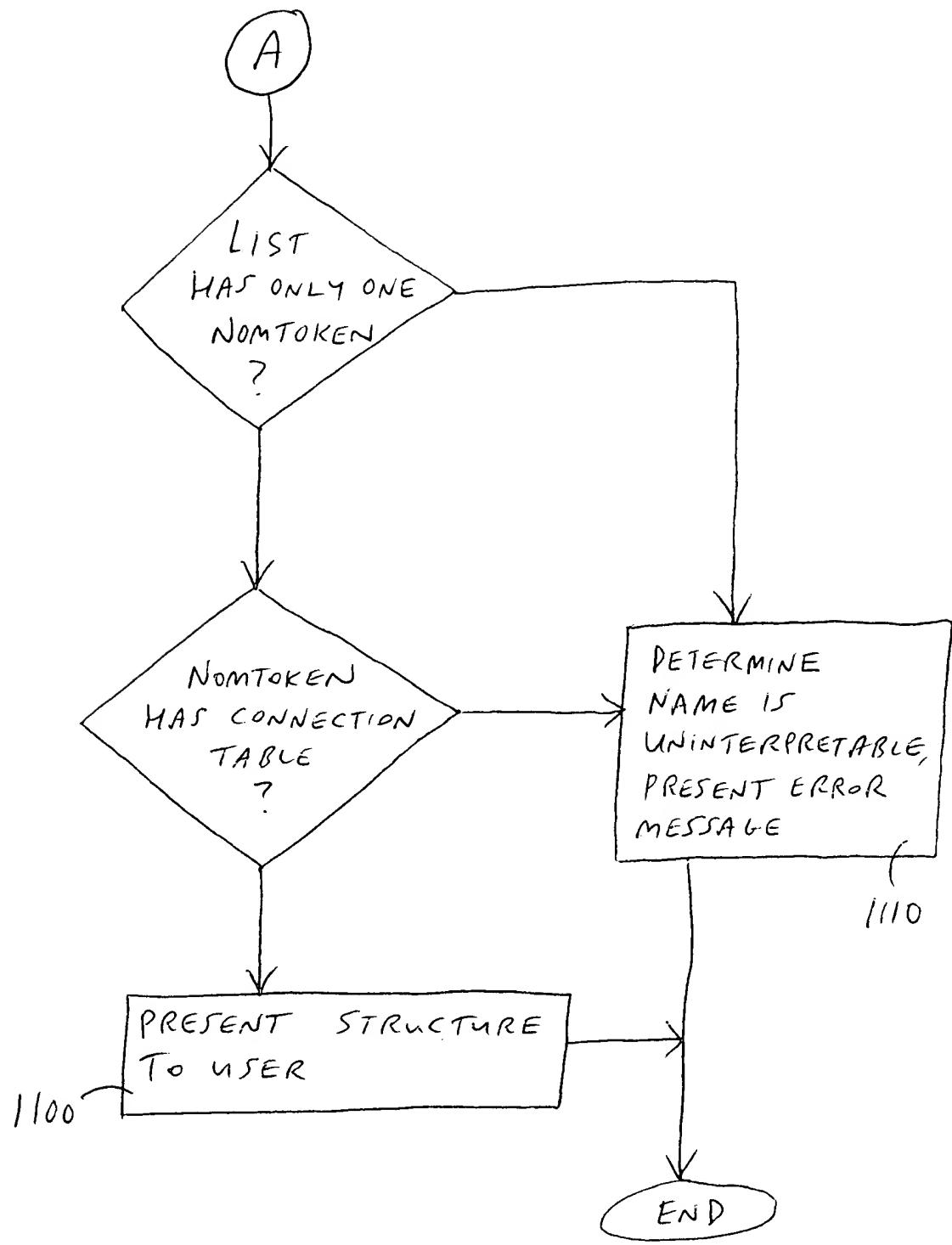


FIG. 3B

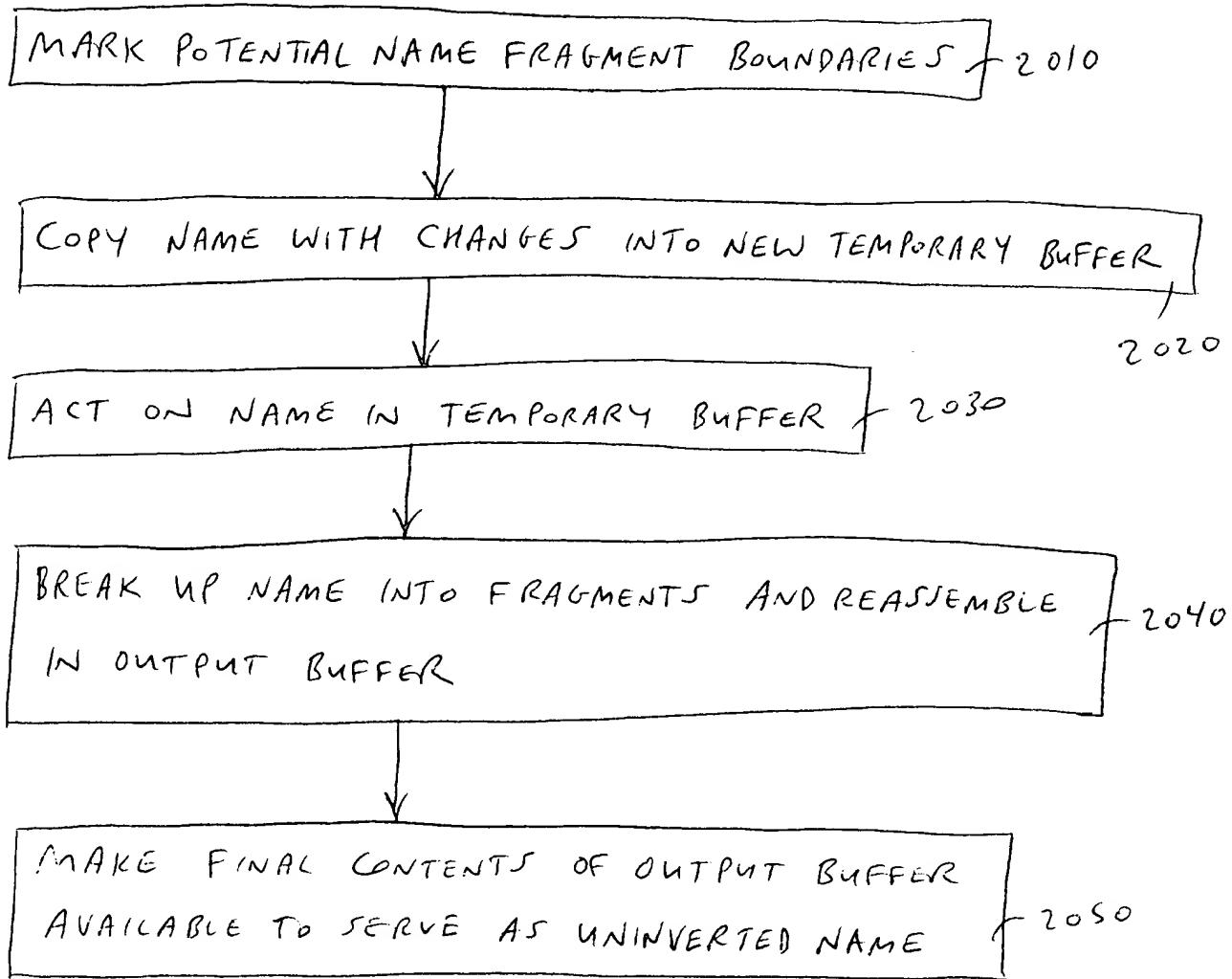


FIG. 4

Table 1: Strings that cannot terminate fragments to be prepended

"dry"
"ed"
"ide"
"ing"
"mm"
"one"
"rod"

FIG. 5A

Table 2: Strings that cannot initiate fragments to be prepended (note that some strings include a space character)

"in "
"ion"
"low "

FIG. 5B

Table 3: Strings that cannot appear anywhere in fragments to be prepended (note that some strings include one or more space characters)

" and "	"grade"	"radical"
" in "	"granul"	"random"
" ion"	"grease"	"reagent"
"%"	"grit"	"reduc"
"/"	"hbr"	"regular"
"7ci"	"hcl"	"remainder"
"8ci"	"heavy"	"ribbon"
"9ci"	"hydrin"	"rods"
"10ci"	"hydrous"	"salt"
"aas"	"ide "	"scale"
"absolute"	"imine"	"shot"
"acid"	"ing"	"slug"
"acs"	"inhibit"	"soluble"
"aerosol"	"isotop"	"solution"
"amidine"	"ite"	"sphere"
"analy"	"ize"	"spong"
"approx"	"lactam"	"stab"
"assay"	"lacton"	"stabil"
"ate"	"light"	"standard"
"balance"	"lump"	"stick"
"basic"	"mainly"	"sublim"
"basis"	"medium"	"sultam"
"bead"	"mesh"	"sulton"
"briquette"	"micron"	"synthetic"
"catal"	"ml "	"syrup"
"certif"	"mm "	"tablet"
"chip"	"moist"	"tech"
"chunk"	"morphous"	"tion"
"cm"	"mossy"	"titrant"
"coarse"	"natural"	"tone"
"contain"	"needle"	"typic"
"crucible"	"neutral"	"usp"
"cryst"	"nitrile"	"wire"
"deriv"	"pearl"	"with"
"dispers"	"pellet"	"xime"
"dry "	"piece"	"zone"
"dust"	"plate"	
"ed "	"poly"	
"electro"	"porous"	
"ester"	"powder"	
"ether"	"ppm"	
"fcc"	"pract"	
"fine"	"predomina"	
"flake"	"predominantly"	
"foil"	"protected"	
"for "	"puratronic"	
"from"	"pure"	
"glacial"	"purity"	
	"purum"	

Table 4.

ether
sulfide
disulfide
trisulfide
tetrasulfide
pentasulfide
hexasulfide
selenide
diselenide
triselenide
telluride
sulfone
disulfone
trisulfone
sulfoxide
disulfoxide
trisulfoxide
peroxide
ketone
diketone
triketone
tetraketone

F16. SD

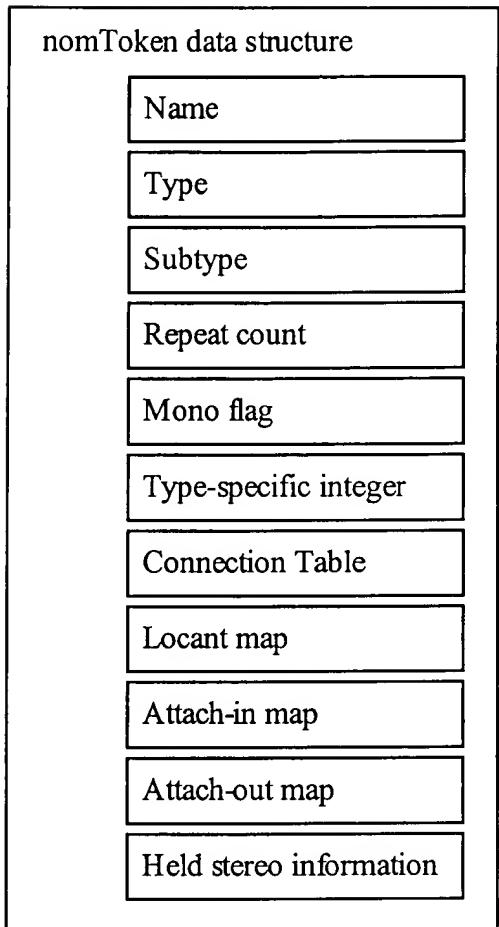


Fig. 6

CONNECTION
TABLE

NAME	P	oxy	y1	bromide
TYPE	unknown	infix	enderaminoacid	counterion
SUBTYPE	unknown	doublebondable	y1	ionable
PREV CHAR	('	'a'	'a')



phenac
root
root

y1
enderaminoacid
y1
'a'

F16. 7A

CONNECTION
TABLE

NAME	P	naphth	oxy	phenac
TYPE	unknown	opfuser	infix	root
SUBTYPE	unknown	unknown	doublebondable	root
PREV CHAR	'	'a'	'a'	'a'

Br→◊



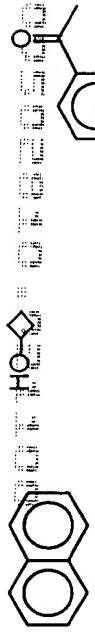
bromide
counterion
ionable

yl
suffix

yl
'a'

F16. 7B

CONNECTION
TABLE



NAME	p	naphth	oxy	yl
TYPE	unknown	root	infix	suffix

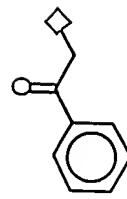
SUBTYPE	unknown	unknown	doublebondable	root
PREV CHAR	'	'a'	'a'	'a'

NAME	p	phenac	yl	bromide
TYPE	unknown	root	suffix	counterion

Fl 6, 7c

CONNECTION
TABLE

NAME	P	naphth	oxy
TYPE	unknown	root	infix
SUBTYPE	unknown	unknown	doublebondable
PREV CHAR	'	'a'	'a'

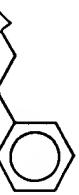


bromide
counterion
ionable

F16. 7D

CONNECTION
TABLE

NAME	P
TYPE	unknown
SUBTYPE	unknown
PREV CHAR	'{



NAME	P
naphthoxy	root
	infix
	'a'

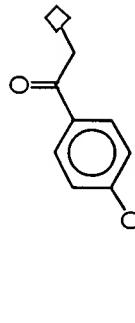
NAME	P
phenacyl	root
	root
	'a'

NAME	P
bromide	
counterion	
ionable	

Br—◇

F16. 7E

CONNECTION
TABLE



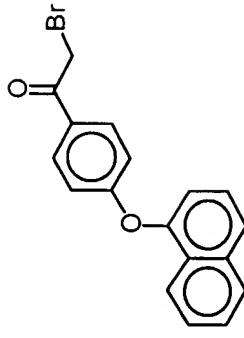
NAME	p-naphthoxy-phenacyl
TYPE	root
SUBTYPE	root
PREV CHAR	'a'

Br—◇

bromide
counterion
ionable
..

FIG. 7F

CONNECTION
TABLE



NAME	p-naphthoxy-phenacyl bromide
TYPE	root
SUBTYPE	root
PREV CHAR	'a'

F16.76